

Amendment to the Claims:

Please amend the claims 77 and 86 and cancel claims 83-85 and 92-94 without prejudice as follows:

1-76. (Canceled)

77. (Currently amended) A method of providing a multicast service in a wireless communication system, the method comprising:

mapping at least one logical channel onto a transport channel; and

transmitting, to a user equipment (UE), data of the at least one logical channel through the transport channel, wherein the data is added with a header including a first identifier for identifying the at least one logical channel and a second identifier for identifying the multicast service,

wherein the second identifier is an MBMS (Multimedia Broadcast/Multicast Service) identifier, and

wherein the second identifier is used to distinguish between MBMS services,

wherein the at least one logical channel comprises a MBMS point-to-multipoint traffic channel (MTCH) and the transport channel comprises a Forward link Access channel (FACH),

wherein the at least one logical channel is located between a Radio Link Control (RLC) layer and a Medium Access Control (MAC) layer and the transport channel is located between the MAC layer and a physical (PHY) layer,

wherein the MAC layer comprises a plurality of MAC sub layers,

wherein each of the first identifier and the second identifier is added by a MAC-c/sh layer that processes a common or shared data, and

wherein the MAC-c/sh layer further performs a scheduling function or a priority handling function.

78. (Previously Presented) The method of claim 77, wherein the first identifier is a TCTF (Target Channel Type Field).

79. (Canceled)

80. (Previously Presented) The method of claim 77, wherein the MBMS identifier is an m-RNTI (MBMS radio network temporary identifier).

81. (Previously Presented) The method of claim 77, wherein a third identifier for distinguishing a type of the second identifier is further included in the header.

82. (Previously Presented) The method of claim 81, wherein the third identifier is a UE (user equipment) ID type.

83-85. (Canceled)

86. (Currently amended) A method of receiving a multicast service in a wireless communication system, the method comprising:

receiving, at a user equipment (UE), data of at least one logical channel through a transport channel, wherein the data is added with a header including a first identifier for identifying the at least one logical channel and a second identifier for identifying the multicast service, wherein the second identifier is an MBMS (Multimedia Broadcast/Multicast Service) identifier, and wherein the second identifier is used to distinguish between MBMS services;

identifying the at least one logical channel and the multicast service according to the first identifier and the second identifier included in the header; and
delivering the data to a logical channel that is mapped onto the transport channel according to the first identifier,

wherein the at least one logical channel comprises a MBMS point-to-multipoint traffic channel (MTCH) and the transport channel comprises a Forward link Access channel (FACH),

wherein the at least one logical channel is located between a Radio Link Control (RLC) layer and a Medium Access Control (MAC) layer and the transport channel is located between the MAC layer and a physical (PHY) layer,

wherein the MAC layer comprises a plurality of MAC sub layers,

wherein each of the first identifier and the second identifier is added by a MAC-c/sh layer that processes a common or shared data, and

wherein the MAC-c/sh layer further performs a scheduling function or a priority handling function.

87. (Previously Presented) The method of claim 86, wherein the first identifier is a TCTF (Target Channel Type Field).

88. (Canceled)

89. (Previously Presented) The method of claim 86, wherein the MBMS identifier is an m-RNTI (MBMS radio network temporary identifier).

90. (Previously Presented) The method of claim 86, wherein a third identifier for distinguishing a type of the second identifier is further included in the header.

91. (Previously Presented) The method of claim 90, wherein the third identifier is a UE (user equipment) ID type.

92-94. (Canceled)